

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62/13
MEMBER

American Association of Nurserymen.
Southern Nurserymen's Association
Tennessee State Nurserymen's Association
Société Dendrologique de France
Deutsche Dendrologische Gesellschaft, etc., etc.

No. 48

Season 1928-1929

PRICE LIST

RECEIVED
of

OCT 15

SEEDS

of

Conifers, Forest
and Ornamental Trees,
Shrubs, Palms,
Fruit Trees
and
Roots and Seeds
of
Medicinal Plants

Registered
Cable
Address
TreeSeeds
Atlanta, Ga.

Codes
A B C
4th & 5th
Editions
Universal
Rud. Mosse
Private



Otto Katzenstein & Co.

TREE SEEDS SPECIALISTS

109 Druid Circle, N. E.

P. O. Box 259

ATLANTA, GEORGIA, U. S. A.

OUR PAMPHLET, "HOW TO MAKE TREE SEEDS GROW," 25c A COPY.
ON REQUEST FREE WITH EVERY ORDER

THE FOLLOWING CONDITIONS GOVERN ALL TRANSACTIONS:

THE PUBLICATION OF THIS LIST CANCELS ALL PREVIOUS QUOTATIONS.

TERMS: Cash. Thirty days net or 2% discount for cash within ten days from date of invoice to domestic book customers. We expect remittance with order or other arrangements, satisfactory to us, from our foreign customers. PRICES ARE QUOTED AND REMITTANCES ARE EXPECTED IN U. S. MONEY.

ALL SHIPMENTS travel at customer's risk. After having taken receipt of transportation companies we are not responsible for delays, losses or injury to shipment while in transit. Customer's redress is with transportation companies only.

PARCEL POSTAGE. Domestic rates are governed by zone tariff. Parcel postage into foreign countries is 14c per pound or fraction of pound. In addition to this a number of countries require payment of a surtax. Remittances should cover sufficient amounts for postage, etc.

NON-WARRANTY. We use the greatest care to have all our seeds, bulbs, plants, etc., pure and reliable, but they are sold without warranty and without any responsibility, express or implied, in respect to the crop. All sales are made under these terms. We are under no circumstances to be held responsible beyond the invoiced value of our goods and WE CANNOT, UNDER ANY CIRCUMSTANCES, CONSIDER ANY CLAIM AFTER THE GOODS HAVE BEEN PLANTED. All claims must be made on receipt of goods.

This list is published before the actual extent of some crops of trees and shrub seeds, offered in it, is known and our acceptance of orders is not a warranty for delivery but is subject to crop accidents and limitations of crops. Failing to receive the full amounts ordered from our collectors and growers we reserve the right to reduce proportionately all orders which have been booked or to fill orders in rotation while the supply lasts.

SEEDS WITH A REPUTATION FOR GROWING

U. S. IMPERIAL ARBORISTS
STANDARDIZED PLANT NAMES is authority
for our nomenclature.

Conifers

Half ounce and quarter pound at ounce and pound rates, respectively.
No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Quotations on large quantities given by letter.

	OZ.	LB.
ABIES <i>amabilis</i> , Cascade Fir .....	.85	7.00
" <i>arizonica</i> , Silver Cork Fir	1.20	11.00
" <i>balsamea</i> , Balsam F. .....	.55	5.00
" <i>brachyphylla</i> , see <i>homolepis</i>		
" <i>cephalonica</i> , Greek Fir .....	.40	3.50
" <i>concolor</i> , White F. from California .....	.25	2.40
" <i>concolor</i> , from Colorado .....	.30	2.80
" <i>concolor violacea</i> .....	.40	3.60
" <i>firma</i> , Momi F. .....	.35	3.00
" <i>fraseri</i> , Fraser F.		
" <i>grandis</i> , Great Silver F. .....	.45	4.20
" <i>homolepis</i> , Nikko F. .....	.35	3.25
" <i>lasiocarpa</i> (<i>subalpina</i>), Alpine F. .....	.65	6.00
" <i>magnifica</i> , Red F. .....	.50	4.50
" <i>mariesi</i> , Maries F. .....	.40	3.80
" <i>nobilis</i> , Noble F. .....	.70	6.00
" <i>nordmanniana</i> , Nordmann F. .....	.45	4.00
" <i>pectinata</i> , European Silver F. .....	.25	2.20
" <i>pinsapo</i> , Spanish F. .....	.40	3.60
" <i>religiosa</i> , Oyamel F. .....	.70	6.00
" <i>veitchi</i> , Veitch F. .....	.45	4.00
	100	1,000
ARAUCARIA <i>brasiliiana</i> , Brazilian Araucaria	Seed	Seed
" <i>bidwilli</i> , Bunya-Bunya	2.00	18.00
" <i>excelsa</i> , Norfolk-Island Pine	7.50	-----
" <i>imbricata</i> , Monkeypuzzle	2.00	16.00
	1.50	14.00
	OZ.	LB.
CEDRUS <i>atlantica</i> , Atlas Cedar .....	.40	3.50
" <i>atlantica argentea</i> .....	.55	5.00
" <i>deodara</i> , Deodar (ask for quantity prices) .....	.35	3.25
" <i>libani</i> , Cedar of Lebanon .....	.40	3.50
CEPHALOTAXUS <i>drupacea</i> , Japanese Plum-Yew .....	.30	2.80
CHAMAECYPARIS <i>lawsoniana</i> , Lawson Cypress .....	.50	4.60
" <i>obtusa</i> , Kinoki C. .....	.35	3.00
" <i>pisifera</i> , Sawara Retinospora .....	.35	3.00
CRYPTOMERIA <i>japonica</i> , Common C. .....	.30	2.50
CUNNINGHAMIA <i>lanceolata</i> (<i>sinensis</i>) Chinese Fir .....	.45	4.20
CUPRESSUS <i>arizonica</i> , Arizona Cypress .....	.35	3.20
" <i>benthami</i> , Bentham C. (from Old Mexico) .....	.65	6.00
" <i>benthami</i> , Imported .....	.45	4.20
" <i>funebris</i> , Mourning C. .....	.30	2.80
" <i>glabra</i> , Smooth C. .....	.35	3.20
" <i>goveniana</i> , Gowen C. .....	.60	5.00
" <i>lusitanica</i> , Portuguese C. .....	.65	6.00
" <i>macrocarpa</i> , Monterey C. .....	.35	3.40
" <i>sempervirens</i> , Italian C. (domestic seed) .....	.45	4.20
" <i>sempervirens</i> , Imported .....	.35	3.00
" <i>s. fastigiata</i> , Pyramidal I. C. (domestic) .....	.50	4.60
" <i>s. fastigiata</i> , Imported .....	.35	3.20
" <i>s. horizontalis</i> , Spreading I. C. (domestic) .....	.45	4.00
" <i>s. horizontalis</i> , Imported .....	.35	3.20
" <i>torulosa</i> , Bhutan C. .....	.35	3.20
GINKGO <i>biloba</i> , Maidenhair-tree .....	.15	1.25
JUNIPERUS <i>californica</i> , California J. .....	.35	3.00
" <i>cedrus</i> .....	.70	-----
" <i>chinensis</i> , Chinese J. .....	.30	2.65
" <i>communis</i> , Common J. .....	.20	1.60
" <i>communis canadensis</i> , Prostrate J. .....	.25	2.00
" <i>communis montana</i> (<i>nana</i>), Mountain J. .....	.25	2.00
" <i>conferta</i> (<i>litoralis</i>), Shore J. .....	.25	2.25
" <i>excelsa</i> , Greek Juniper .....	.25	2.25

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.
" monosperma, Cherrystone J.		.30	2.65
" rigida, Needle J.		.55	4.80
" sabina, Savin		.30	2.65
" scopolorum, Colorado J.		.25	2.20
" virginiana, Redcedar, Platte River Type		.15	1.10
" virginiana, Southern Type		.15	1.00
LARIX dahurica , Daurian Larch		.45	4.20
" europaea, European L.		.35	3.00
" leptolepis, Japanese L.		.45	4.80
" occidentalis, Western L.		.60	5.50
" sibirica, Siberian L.		.50	4.80
LIBOCEDRUS decurrens , California Incense-Cedar		.40	3.50
PICEA alcockiana , Alcock Spruce		.70	6.40
" canadensis (alba), White Spruce		.75	6.50
" canadensis, Black Hills S.		1.00	8.50
" canadensis albertiana, Alberta Black Hills S		.75	6.50
" engelmanni, Engelmann Spruce		.75	7.00
" excelsa, Norway Spruce (ask quantity prices)		.30	2.35
" orientalis, Oriental S.		1.00	10.00
" polita, Tigertail S.		.70	6.00
" pungens, Colorado S. (North Colo.)		.75	7.00
" pungens glauca, Colorado Blue S.		1.20	9.00
" sitchensis (menziesi), Sitka S.		1.20	8.50
PINUS attenuata (tuberculata), Knobcone Pine		.70	6.00
" austriaca, see P. nigra			
" ayacahuite, Mexican White P. (Mexico)		.60	5.50
" banksiana, Jack Pine		.60	5.50
" bungeana, Lacebark P.		.45	4.00
" canariensis, Canary P.		.35	3.00
" caribaea, Slash P.		.65	6.50
" cembra, Swiss Stone P.		.25	2.00
" cembroides, Mexican Stone P. (Old Mexico)		1.00	9.00
" contorta, Shore P.		.90	8.00
" coulteri, Coulter P.		.60	5.60
" densiflora, Japanese Red P.		.30	2.60
" echinata (mitis), Shortleaf P.		1.00	8.00
" edulis, Nut P. (Pinyon)		.20	1.65
" excelsa, Himalayan P.		.45	4.20
" flexilis, Limber P.		.45	4.20
" halepensis, Aleppo P.		.30	2.40
" hartwegi, Hartweg P. (Old Mexico)		1.40	12.00
" inops, see Pinus virginiana			
" insignis, see P. radiata			
" jeffreyi, Jeffrey P.		.30	2.40
" koraiensis, Korean P.		.30	2.50
" lambertiana, Sugar P.		.25	2.25
" laricio, Corsican P.		.35	3.20
" laricio austriaca, see P. nigra			
" leiophylla, Chino P. (Old Mexico)		1.00	9.00
" leucodermis, Graybark P.		.75	7.00
" maritima, see P. pinaster			
" massoniana, see densiflora			
" montana, Swiss Mountain Pine		.30	2.65
" montana mughus, Mugho P. (many-branched)		.40	3.80
" montezumae, Montezuma P. (Old Mexico)		1.20	10.00
" monticola, Western White P.		.75	6.80
" muricata, Bishop P.		.75	7.00
" murrayana, Lodgepole Pine		.85	7.50
" nigra, Austrian P.		.35	3.00
" palustris, Longleaf P.		.35	3.00
" patula, Jelecote P. (Old Mexico)		.80	7.00
" peuce, Macedonian P.		.45	4.00
" pinaster (maritima), Cluster P.		.15	1.35
" pinea, Italian Stone P.		.15	1.35
" ponderosa, Western Yellow P. California		.30	2.65
" ponderosa, Colorado		.30	2.65
" pseudostrobus (Old Mexico)		1.20	10.00
" radiata (insignis) Monterey P.		.45	4.00
" resinosa, Red P.		1.60	14.00
" rigida, Pitch P.		.85	7.50
" sabiniana, Digger P.		.20	1.70
" strobiformis, see P. ayacahuite			
" strobos, White P.		.45	4.00
" sylvestris, Scotch P.		.30	2.80

		OZ.	LB.
" <i>taeda</i> , Loblolly P. Oldfield P.		.65	6.50
" <i>teocote</i> (Old Mexico)		1.20	10.00
" <i>thunbergi</i> , Japanese Black P.		.30	2.40
" <i>tuberculata</i> , see <i>P. attenuata</i>			
" <i>virginiana</i> (inops), Scrub P.		.75	7.00
PSEUDOTSUGA <i>douglasii</i> , gray, Colorado Douglas Fir		.75	6.50
" <i>douglasii</i> , green Calif		.75	7.00
" <i>douglasii</i> , green, West Wash.-Oregon		.85	8.00
SCIADOPITYS <i>verticillata</i> , Umbrella-Pine		.55	5.20
SEQUOIA <i>gigantea</i> , Giant S. Big Tree		1.70	15.00
" <i>sempervirens</i> , Redwood		.50	4.50
TAXODIUM <i>distichum</i> , Common Baldcypress		.15	1.40
" <i>mucronatum</i> , Montezuma B.		1.20	10.00
TAXUS <i>baccata</i> , English Yew		.35	3.00
" <i>cuspidata</i> , Japanese Y.		.40	3.80
THUJA <i>gigantea</i> , see <i>Th. plicata</i>			
" <i>occidentalis</i> , American Arborvitae		.40	3.80
" <i>orientalis</i> , Oriental Av.		.20	1.75
" <i>orientalis aurea</i> , Golden O. Av.		.30	2.80
" <i>orientalis compacta</i> , Compact O. Av.		.30	2.80
" <i>orientalis pyramidalis</i> , Pyramidal O. Av.		.20	1.75
" <i>plicata</i> , Giant Av.		.65	5.60
TORREYA <i>californica</i> , California Nutmeg		.30	2.60
" <i>nucifera</i> , Japanese Nutmeg		.25	2.10
TSUGA <i>canadensis</i> , Canada Hemlock		.90	8.00
" <i>caroliniana</i> , Carolina H.			
" <i>diversifolia</i> , Japanese H.		.70	6.00
" <i>sieboldii</i> , Siebold H.		.70	6.00

IMPORTANT.—We exercise every care to send out tree seeds true to name. We cannot extend this guarantee to the result from sowing seeds of such varieties of conifers as "aurea, compacta, glauca, pendula, pyramidalis, violacea, etc." Our collectors are careful in gathering the seeds from trees showing the peculiarities of the variety but the seedlings will often revert to the mother form and as we have no way of testing the seeds as to their producing true to variety, we send them out without any warranty that they will come true any given percentage to variety.

Trees and Shrubs

Half ounce, quarter pound, 25 lbs. at ounce, pound and hundred pound rates, respectively. No seeds invoiced for less than 15 cents. No invoice for less than 25 cents. Prices for larger quantities will be quoted by letter upon request.

We are using the following abbreviations:

- "e" means evergreen, "d" means deciduous.
- "t" means tree, "s" means shrub.
- "v" means vine or climber.
- "db" means seed in natural hull.
- "c" means clean seed.

Example: "et" stands for evergreen tree.

		OZ.	LB.
dt ACACIA <i>armata</i> , Kangaroo Thorn		.75	6.50
dt " <i>baileyana</i> , Cootamundra Wattle		.55	5.00
dt " <i>dealbata</i> , Silver Wattle		.30	2.80
dt " <i>farnesiana</i> , Sweet Acacia		.35	3.00
dt " <i>melanoxyton</i> , Blackwood A.		.50	4.50
dt " <i>moluccana</i> , Molucca A.		.65	5.50
dt ACER <i>campestre</i> , Hedge Maple (1929)		.15	1.20
dt " <i>dasyarpum</i> , Silver Maple (May, 1929), order early			
dt " <i>ginnala</i> , Amur M. (<i>A. tataricum ginnala</i>)		.30	2.80
dt " <i>japonicum</i> , Fullmoon M.		.40	3.50

		OZ.	LB.
dt "	macrophyllum, Oregon M.	.15	1.20
dt "	mono, Small-leaf Chinese M.	.25	2.00
dt "	negundo, Boxelder	.15	.60
dt "	palmatum (polymorphum), Japanese M.	.45	4.00
dt "	palmatum atropurpureum, Bloodleaf M.	1.50	12.50
dt "	pennsylvanicum (striatum), Striped M.	.30	2.80
dt "	platanooides, Norway M.	.15	1.10
dt "	platanooides schwedleri, Schwedler M.	.20	1.60
dt "	pseudoplatanus, Sycamore M.	.15	1.10
dt "	rubrum, Red M. (May, 1929), order early		
dt "	saccharum, Sugar M.	.20	1.60
dt "	spicatum, Mountain M.	.30	2.80
dt Aesculus californica, California Buckeye		.15	.85
dt " glabra, Ohio B.		.15	.85
dt " hippocastanum, Horsechestnut		.15	.60
dt " hippocastanum rubicunda, Red H.		.15	1.00
dt AILANTHUS glandulosa, Tree-of-Heaven		.15	1.10
dv AKEBIA lobata, Threeleaf A.		.40	3.50
dv " quinata, Fiveleaf A.		.50	4.00
dt ALBIZZIA julibrissin, Silktree		.20	1.85
dt " lophantha (Acacia 1.) Plume Acacia		.25	2.00
dt ALEURITES cordata, Kiri-Oil tree		.30	2.65
dt " fordii, Tung-oil Tree (ask for quantity prices)		.15	1.20
dt " moluccana, Candlenut		.35	3.00
dt ALNUS glutinosa, European A.		.15	1.40
ALTHAEA, see Hibiscus			
ds AMELANCHIER alnifolia, Saskatoon		.35	3.50
ds " canadensis (botryapium), Downy Shadblow		.35	3.40
ds AMORPHA fruticosa, Indigobush		.15	1.40
dv AMPELOPSIS quinquefolia, Va. Creeper	db	.25	2.20
dv " tricuspidata (veitchii) Boston Ivy	db	.25	2.40
dv " tricuspidata, Japanese Creeper	c	.30	2.80
dt AMYGDALUS communis, Almond		.15	.80
dt " davidiana, Chinese Wild Peach (stock)		.15	1.30
dt " persica, Peach, see Fruit Seeds			
ANDROMEDA, see Leucothoe, Oxydendrum, Pieris			
ds ARALIA spinosa, Devils-Walkingstick		.30	2.80
dt ARBUTUS menziesii, Madrone		.35	3.00
dt " unedo, Strawberry-tree		.30	2.80
es ARDISIA crenulata, Coral Ardisia		.50	4.50
es " japonica, Japanese A.		.50	4.50
dv ARISTOLOCHIA siphon, Dutchman's-Pipe		.60	5.25
dv " tomentosa, Pipevine		.40	3.50
ARONIA, Chokeberry, see also Sorbus			
ds " arbutifolia, Red Chokeberry		.15	1.45
ds ASIMINA parviflora		.20	2.00
dt " triloba, Papaw		.20	1.80
es AUCUBA japonica, Japanese (green) A.		.35	3.00
es " japonica aureo-maculata, Variegated A.		.60	5.00
AZALEA, Azalea, see also Rhododendron			
ds " calendulacea (lutea), Flame A.	db	.65	6.00
		1/4 Oz.	
es " hinodegiri, Hinodegiri A.	c	1.25	4.20
es " japonica, Japanese A.	c	1.25	4.20
ds " kaempferi, Torch A.	c	1.00	3.60
ds " mollis, Chinese A.	c		1.20
ds " nudiflora, Torch A.	db	.65	6.00
ds " vaseyi, Pinkshell A.	db	.65	6.00
ds " viscosa, Swamp A.	db	.65	6.00
es BAUHINIA purpurea, Purple B.		1.20	-----
es " monandra, St. Thomas tree		1.50	-----
es " variegata, Buddhist B.		1.50	-----
ds BENZOIN aestivale (Laurus benzoin), Spicebush		.20	1.75
BERBERIS, see also Mahonia			
es " darwini, Darwin B.		.50	4.80
ds " thunbergii, Japanese Barberry	c	.65	5.50
ds " thunbergii	db	.25	2.00

		OZ.	LB.
dt	BETULA alba, European White Birch .....	.15	1.30
dt	" lenta, Sweet B. .....	.25	2.35
dt	" lutea (excelsa), Yellow B. .....	.25	2.35
dt	" papyrifera, Canoe B. .....	.25	2.40
dt	" populifolia, Gray B. .....	.25	2.10
dv	BIGNONIA radicans, Trumpetcreeper .....	.30	2.60
et	BUXUS japonica (microphylla), Japanese Box .....	.60	5.50
et	" sempervirens, Common B. .....	.25	2.40
ds	CALLICARPA americana, American Beautyberry.....	.30	2.60
ds	CALYCANTHUS floridus (laevigatus), Common Sweetshrub .....	.20	1.65
ds	" occidentalis, California S. .....	.35	3.00
ds	" praecox, see under Meratia		
es	CAMELLIA chinensis, Chinese C. .....	.35	3.00
es	" japonica, Common C. .....	.25	2.00
es	" sasanqua, Sasanqua Tea .....	.25	2.35
	" theifera, see Thea sinensis		
	CAMPHORA, see Cinnamomum		
ds	CARAGANA arborescens, Siberian Pea-tree .....	.20	1.80
dt	CARPINUS betulus, European Hornbeam .....	.15	1.20
dt	" caroliniana, American Hornbeam .....	.20	1.60
	CARYA, see Hicoria		
dt	CASTANEA dentata, American Chestnut (Oct.-Nov. only) .....	.15	.80
dt	" japonica, Japanese Ch. .....	.15	1.00
dt	" mollissima, Hairy Chinese Ch. .....	.15	1.00
dt	CASUARINA cunninghamiana, Cunningham Beefwood .....	.75	7.00
dt	" equisetifolia, Australian Pine .....	.75	7.00
dt	" stricta (quadrivalvis) Longleaf Beefwood	2.00	.....
dt	CATALPA speciosa, True Wild Western C. .....	.25	2.00
ds	CEANOTHUS americanus, Jersey-tea .....	.db	2.50
dt	CEDRELA sinensis, Chinese C. .....	.70	6.50
dv	CELASTRUS orbiculatus, Oriental Bittersweet .....	.65	5.00
dv	" scandens, American B. .....	.25	2.20
dt	CELTIS mississippiensis, Sugarberry .....	.15	1.30
dt	" occidentalis, Hackberry .....	.20	1.75
dt	" sinensis, Chinese H. .....	.30	2.60
ds	CEPHALANTHUS occidentalis, Common Buttonbush....	.15	1.00
et	CERATONIA siliqua, Carob .....	.35	3.20
dt	CERCIDiphyllum japonicum, Katsura-tree	1.20	9.00
dt	CERCIS canadensis, American Redbud .....	.25	2.25
dt	" occidentalis, California R. .....	.35	3.00
dt	" siliquastrum, Judas-tree .....	.30	2.60
dt	" sinensis, Chinese R. .....	.45	4.20
ds	CHIONANTHUS virginica, White Fringe .....	.40	3.50
et	CINNAMOMUM camphora, Camphor-tree .....	.20	1.50
et	CITRUS aurantium, Sour Orange .....	.c	6.00
et	" trifoliata, Hardy Orange .....	.c	2.25
dt	CLADRASTIS lutea (tinctoria), Yellow-wood .....	.40	3.50
dv	CLEMATIS paniculata, Sweet Autumn C. .....	.40	3.40
ds	CLETHRA alnifolia, Summersweet .....	.20	1.50
ds	COLUTEA arborescens, Common Bladder-Senna .....	.20	1.70
	CORDYLINE (Dracaena), see under Palm Seeds		
ds	CORNUS alternifolia, Pagoda Dogwood .....	.25	2.00
ds	" amomum (sericea), Silky D. .....	.20	1.60
	" candidissima, see paniculata		
dt	" florida, Flowering D. .....	.15	.70
ds	" kousa, Kousa, D. .....	.40	3.50
dt	" mas, Cornelian-Cherry .....	.15	1.30
ds	" nuttallii, Pacific D. .....	.15	1.40
ds	" paniculata, Gray D. .....	.15	1.40
ds	" sanguinea, Bloodtwig D. .....	.15	1.40
ds	" stolonifera, Red-Osier D. .....	.20	1.75

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

		OZ.	LB.
ds	CORYLUS americana, American Hazelnut	.15	.80
ds	" avellana, Filbert	.15	.80
ds	" sinensis, Chinese H.	.25	2.00
ds	COTONEASTER acutifolia, Pekin C.	.25	2.10
ds	" divaricata, Spreading C.	.20	1.80
es	" horizontalis, Rock C.	.50	4.50
ds	" lucida (sinensis), Glossy C.	.25	2.10
dt	CRATAEGUS coccinea, Thicket Hawthorn	.15	1.00
dt	" cordata, Washington H.	.15	1.25
ds	" crusgalli, Cockspur H.	.15	1.00
ds	" mollis, Downy H.	.15	1.40
ds	" monogyna, English H.	c	2.00
ds	" oxyacantha, English H.	db	.15
ds	" oxyacantha	c	1.50
ds	" punctata, Dotted H.	.25	2.20
	" pyracantha, see Pyracantha coccinea	.15	1.40
ds	CYDONIA japonica, Flowering Quince	c	.60
ds	" oblonga (vulgaris), Common Q.	.50	4.00
	CYTISUS, see also Laburnum		
ds	" scoparius, Scotch Broom	.20	1.50
dt	DALBERGIA hupeana, Tan-shu, Rosewood	.25	2.60
dt	DIOSPYROS kaki, Kaki Persimmon	.25	2.00
dt	" lotus, Dateplum	.20	1.75
dt	" virginiana, Common P.	.15	.90
	DRACAENA, see Palm Seeds		
ds	ELAEAGNUS angustifolia, Russian-Olive	.15	1.20
ds	" argentea, Silverberry	c	3.00
ds	" longipes (edulis), Cherry E.	.40	3.80
et	ERIOBOTRYA japonica, Loquat	.50	4.50
et	EUCALYPTUS cornuta, Yate-tree	.90	8.00
et	" corynocalyx, Sugar Gum	1.00	9.00
et	" globulus, Blue Gum	.90	8.00
et	" lehmanni, Lehmann Gum	1.00	8.50
et	" melliodora, Honey Gum	1.20	10.00
et	" punctata, Leatherjack	.90	8.00
et	" resinifera, Mahogany Gum	1.50	12.00
et	" robusta, Brown Gum	.60	5.50
et	" rostrata, Greek Gum	.60	5.50
et	" stuartiana, Apple Gum	.90	8.00
et	" tereticornis, Slated Gum	.90	8.00
et	" viminalis, Manna Gum	.90	8.00
es	EUGENIA uniflora, Surinam Cherry	2.00	.....
es	EUONYMUS alatus, Winged E.	.35	3.40
ds	" americanus, Brook E.	.25	2.20
ds	" atropurpureus, Wahoo	.25	2.00
ds	" europaeus, European Burningbush	.20	1.60
es	" japonicus, Evergreen E.	.35	3.40
ds	EXOCHORDA grandiflora, Common Pearlbush	.45	4.00
dt	FAGUS americana, American Beech	.20	1.50
dt	" sylvatica, European B.	.20	1.50
dt	" sylvatica purpurea, Purple B.	.30	3.00
et	FICUS, see under Palm Seeds		
dt	FRAXINUS americana, White Ash	.20	1.60
dt	" excelsior, European Ash	.15	.85
dt	" lanceolata (viridis), Green Ash	.15	.80
dt	" ornus, Flowering Ash	.15	1.00
dt	" quadrangulata, Blue Ash	.20	1.80
dt	" velutina (arizonica), Arizona Ash	.20	1.60
es	GAULTHERIA procumbens, Wintergreen	.60	5.20
	GENISTA, see under Cytisus		
	GINKGO, see under Conifers		
dt	GLEBITSIA sinensis, Chinese Honeylocust	.20	1.75
dt	" triacanthos, Common H.	.15	1.00
dt	" triacanthos inermis, Thornless H.	.20	1.80
et	GREVILLEA robusta, Silk-Oak	1.20	9.50
dt	GYMNOCLADUS dioica, Kentucky Coffeetree	.15	1.40
dt	HALESIA tetrapeta, Great Silberbell	.20	1.50

		OZ.	LB.	
ds <i>HAMAMELIS virginiana</i> , Common Witch-hazel .....		.25	2.20
es <i>HESPEROYUCCA whipplei</i> (<i>Yucca wh.</i>), Chaparal <i>Yucca</i> .....		.60	5.50
HETEROMELES , see under <i>Photinia</i>				
ds <i>HIBISCUS syriacus</i> , Shrub-Althea .....		.20	1.60
		10	100	
dt <i>HICORIA alba</i> (<i>Carya tomentosa</i>), Mockernut	Lb.	Lbs.	Lbs.	
dt " <i>cordiformis</i> (<i>C. amara</i>), Bitternut .....	.30	2.00	12.50
dt " <i>glabra</i> (<i>C. porcina</i>), Pignut .....	.30	2.00	14.50
dt " <i>laciniosa</i> (<i>C. sulcata</i>), Shellbark H. .....	.30	2.00	12.50
dt " <i>minima</i> , see <i>H. cordiformis</i>				
dt " <i>ovata</i> (<i>C. alba</i>), Shagbark H. .....	.30	2.00	14.50
dt " <i>pecan</i> (<i>C. olivaeformis</i>), Pecan .....	.65	6.00	55.00
		OZ.	LB.	
ds <i>HIPPOPHAE rhamnoides</i> , Common Sea-Buckthorn .....	.30	2.80	
dt <i>HOVENIA dulcis</i> , Raisintree .....	.40	3.50	
ds <i>HYDRANGEA paniculata</i> , Panicle H. .....	.50	4.50	
et <i>ILEX aquifolium</i> , English Holly .....	.25	2.40	
es " <i>cassine</i> (<i>dahoon</i>), Dahoon .....	.25	2.00	
es " <i>cornuta</i> , Chinese H.	c	.45	4.20	
es " <i>crenata</i> , Japanese H.	c	.35	3.20	
es " <i>glabra</i> , Inkberry	db	.15	1.00	
et " <i>opaca</i> , American H.	db	.15	1.00	
ds " <i>sieboldi</i> , Siebold H.	c	.45	4.00	
ds " <i>verticillata</i> , Common Winterberry	db	.20	1.40	
es " <i>vomitoria</i> , Yawpon	db	.25	2.00	
et <i>ILLICIUM anisatum</i> , Japanese Anisetree .....	.45	4.00	
ds <i>ITEA virginica</i> , Sweetspire .....	.45	4.00	
		10	100	
dt <i>JUGLANS californica</i> , California Walnut	Lb.	Lbs.	Lbs.	
dt " <i>cinerea</i> , Butternut .....	.75	7.00	65.00
dt " <i>cordiformis</i> , see <i>sieboldiana cordiformis</i>	.20	1.80	16.50	
dt " <i>hindsii</i> , Hinds W. .....	.75	7.00	
dt " <i>nigra</i> , Black W. .....	.20	1.60	14.50
dt " <i>regia</i> (China), Persian English W.	1.20	10.50		
dt " <i>sieboldiana</i> , Japanese W. .....	.75	7.00	65.00
dt " <i>sieboldiana cordiformis</i> , Flat W. .....	.70	6.50	60.00
		OZ.	LB.	
es <i>KALMIA latifolia</i> , Mountain-Laurel	db	.25	2.00	
dt <i>KOELREUTERIA paniculata</i> , Goldenrain-tree .....	.20	1.80	
ds <i>LABURNUM vulgare</i> , Goldenchain .....	.25	2.00	
ds <i>LAGERSTROEMIA indica</i> , Common Crapemyrtle in colors	db	.35	3.00	
et <i>LAUROCERASUS caroliniana</i> , Cherry Laurel .....	.15	1.25	
et " <i>lusitanica</i> , Portugal-Laurel .....	.20	1.75	
et " <i>officinalis</i> (<i>P. laurocerasus</i>), English C-L.....	.15	1.80		
LAURUS , see also Benzoin, Laurocerasus				
et " <i>nobilis</i> , Grecian Laurel .....	.20	1.50	
LAURUSTINUS , see under <i>Viburnum tinus</i>				
es <i>LEUCOTHOE catesbeiae</i> , Drooping Laurel	db	.25	2.20	
ds " <i>racemosa</i> , Sweetbells	db	.25	2.20	
es <i>LIGUSTRUM amurense</i> , Amur Privet .....		.15	.85
ds " <i>ibota</i> , Ibota P. .....		.15	.90
es " <i>japonicum</i> , Japanese P. .....		.20	1.30
es " <i>lucidum</i> , Glossy P. .....		.20	1.60
es " <i>nepalense</i> , Nepal P. .....		.35	3.00
es " <i>quihoui</i> , Quihou P. .....		.35	3.20
es " <i>sinense</i> (<i>chinense</i>), Chinese P. .....		.15	1.00
ds " <i>vulgare</i> , European P. .....		.15	1.40
LINDERA , see Benzoin				
dt <i>LIQUIDAMBAR formosana</i> , Formosa Sweetgum .....	.60	5.50	
dt " <i>styraciflua</i> , Sweetgum .....	.45	4.20	
dt <i>LIRIODENDRON tulipifera</i> , Yellow Poplar, Tuliptree .....	.15	1.20	
ds <i>LONICERA tatarica</i> , Tatarian Honeysuckle .....	.50	4.60	
ds " <i>xylosteum</i> , European Fly H. .....	.45	4.00	
dt <i>MACLURA pomifera</i> (<i>aurantiaca</i>), Osage-Orange.....	.20	1.70		

		OZ.	LB.
dt	MAGNOLIA <i>acuminata</i> , Cucumbertree .....	.30	2.50
et	" <i>glauca</i> , Sweetbay .....	.20	1.80
et	" <i>grandiflora</i> , Southern M. ....	.35	3.00
dt	" <i>hypoleuca</i> , Silver M. ....	.30	2.80
dt	" <i>kobus</i> , Kobus M. ....	.30	2.50
dt	" <i>tripetala</i> , Umbrella M. ....	.30	2.50
es	MAHONIA <i>aquifolium</i> , Oregon Hollygrape, Dom. ....db	.40	3.50
es	" <i>aquifolium</i> , imported ....c	.45	4.00
es	" <i>bealei</i> (japonica), Leatherleaf M. ....c	.55	5.00
dt	MELIA <i>azedarach</i> , Chinaberry .....	.20	.70
dt	" <i>azedarach umbraculiformis</i> , Texas Umbrellatree....	.20	.70
ds	MERATIA <i>praecox</i> (Calycanthus p.), Wintersweet.....	.40	3.80
dt	MORUS <i>alba</i> , White Mulberry .....	.55	4.80
dt	" <i>tatarica</i> , Russian M. ....	.55	4.80
ds	MYRICA <i>carolinensis</i> , Northern Bayberry .....	.25	2.00
ds	" <i>cerifera</i> , Southern B. ....	.25	1.90
dt	NANDINA <i>domestica</i> , domestic seed .....	.70	6.00
	" <i>domestica</i> , imported seed .....	.45	4.00
	NEGUNDO , see <i>Acer negundo</i>		
dt	NYSSA <i>aquatica</i> , Big Tupelo .....	.20	1.60
dt	" <i>sylvatica</i> (multiflora), Tupelo Blackgum .....	.20	1.60
	ORANGE , see under <i>Citrus</i>		
ds	OXYDENDRUM <i>arboreum</i> , Sourwood .....	.15	1.20
dt	PAULOWNIA <i>tomentosa</i> (imperialis), Princesstree....	.30	2.60
es	PERSEA <i>borbonia</i> , Redbay .....	.25	2.25
et	PHOTINIA <i>arbutifolia</i> (Heteromeles), Christmasberry .....	.25	2.00
es	" <i>villosa</i> , Hairy P. ....	.35	3.50
es	" <i>serrulata</i> , Low P. ....	.35	3.00
es	PIERIS <i>floribunda</i> , Mountain Andromeda .....	.35	3.20
es	" <i>floribunda</i> , Mountain Andromeda ....c	1.20	10.00
es	" <i>japonica</i> , Japanese Andromeda ....c	1.20	10.00
es	" <i>lucida</i> (nitida), Fetterbush .....	.25	2.00
es	" <i>lucida</i> (nitida), Fetterbush ....c	.40	3.60
ds	" <i>mariana</i> , Staggerbush .....	.20	1.60
ds	" <i>mariana</i> , Staggerbush ....c	.35	3.20
dt	PISTACIA <i>chinensis</i> , Chinese Pistache .....	.25	2.00
es	PITTOSPORUM <i>tobira</i> , Tobira .....	.45	4.00
dt	PLATANUS <i>occidentalis</i> , American Planetree .....	.15	.85
dt	" <i>orientalis</i> , European P. ....	.15	1.10
dt	POINCIANA <i>regia</i> , Royal Poinciana .....	.30	2.60
	PONCIRUS , see <i>Citrus</i>		
dt	POPULUS <i>deltoides</i> , Southern Cottonwood .....	.20	1.60
	PRUNUS , Cherry, Plum (also Fruit seeds)		
dt	" <i>americana</i> , American Plum .....	.15	1.40
dt	" <i>avium</i> , Mazzard Cherry .....	.15	1.40
	" <i>caroliniana</i> , see <i>Laurocerasus</i> c		
et	" <i>ilicifolia</i> , Hollyleaf Cherry .....	.20	1.80
	" <i>laurocerasus</i> , see <i>Laurocerasus officinalis</i>		
et	" <i>lyoni</i> (integrifolia), Catalina Cherry .....	.25	2.00
dt	" <i>mahaleb</i> , Mahaleb Cherry .....	.20	1.50
dt	" <i>myrabolana</i> , Myrabolan Plum .....	.15	1.50
dt	" <i>serotina</i> , Black Cherry .....	.15	1.10
dt	" <i>tomentosa</i> , Nanking Cherry .....	.60	5.50
dt	" <i>virginiana</i> , Common Chokeberry .....	.15	1.00
dt	PTELEA <i>trifoliata</i> , Common Hopetree .....	.15	1.30
dt	PTEROCARPA <i>stenoptera</i> , Chinese Wingnut .....	.25	2.00
dv	PUERARIA <i>thunbergiana</i> , Kudzu-Bean .....	.30	2.50
es	PYRACANTHA <i>coccinea</i> , Scarlet Firethorn .....	.15	1.20
es	" <i>coccinea lalandi</i> , Laland F. ....	.25	2.00
es	" <i>coccinea yunnanensis</i> , Yunnan F. ....	.25	2.40
	PYRUS , see <i>Aronia</i> , <i>Cydonia</i> , <i>Sorbus</i> , Fruit seeds		
		1	10
		Lb.	Lbs.
et	QUERCUS <i>acuta</i> , Japanese Evergreen Oak.....	1.60	14.00
et	" <i>agrifolia</i> , California Live Oak	1.00	9.00
dt	" <i>alba</i> , White O. (November only) .....	.40	3.00
			14.00

		1 Lb.	10 Lbs.	100 Lbs.
dt	" <i>coccinea</i> , Scarlet O. ....	.50	4.20	21.00
dt	" <i>falcata</i> (digitata), Southern Red O. ....	.50	4.20	20.00
dt	" <i>ilicifolia</i> (banisteri), Scrub O. (Nov. only) ....	.60	4.50	36.00
dt	" <i>laurifolia</i> , Laurel O. ....	.50	4.20	23.00
dt	" <i>lyrata</i> , Overcup O. ....	.50	4.20	21.00
dt	" <i>macrocarpa</i> , Mossycup O. ....	.55	4.60	26.00
et	" <i>nigra</i> (aquatica), Water O. ....	.50	4.20	21.00
	" <i>obtusiloba</i> , see <i>Qu. stellata</i>			
dt	" <i>palustris</i> , Pin O. ....	.55	4.40	28.00
dt	" <i>phellos</i> , Willow O. ....	.55	4.40	28.00
dt	" <i>prinus</i> , Chestnut O. (November only) ....	.50	4.20	21.00
dt	" <i>rubra</i> , Common Red O. ....	.45	3.80	14.00
dt	" <i>stellata</i> , Post O. ....	.50	4.20	22.00
dt	" <i>velutina</i> (tinctoria), Black O. ....	.50	4.20	21.00
et	" <i>virginiana</i> , Live O. ....	.80	7.00	52.00
		OZ.	LB.	
ds	RHAMNUS caroliniana , Carolina Buckthorn ....		.20	1.60
ds	" <i>cathartica</i> , Common B. ....		.20	1.90
ds	" <i>frangula</i> , Glossy B. ....		.40	3.60
dt	" <i>purshiana</i> , Cascara B. ....		.40	3.60
es	RHODODENDRON carolinianum , Carolina Rh.	db	.70	6.50
es	" <i>catawbiense</i> , Catawba Rh.	db	.50	4.50
es	" <i>maximum</i> , Rosebay Rh.	db	.40	3.80
ds	RHODOTYPOS kerrioides , Jetbeam ....		.40	3.50
	RHUS aromatic , see <i>Rhus canadensis</i>			
ds	" <i>canadensis</i> , Fragrant Sumac	db	.20	1.60
ds	" <i>copallina</i> , Shining S. ....		.15	1.00
dt	" <i>cotinus</i> , Common Smoketree, Purple Fringe.	c	.45	4.00
ds	" <i>glabra</i> , Smooth S.	db	.15	.90
ds	" <i>typhina</i> , Staghorn S.	db	.15	1.30
dt	ROBINIA neo-mexicana , New Mexican Locust.	db	.35	3.40
dt	" <i>pseudacacia</i> , Common Black (yellow) L.	c	.15	1.00
ds	ROSA blanda , Meadow Rose	db	.15	1.40
ds	" <i>canina</i> , Dogbrier	c	.15	1.00
	" <i>carolina</i> , see <i>R. palustris</i>			
ds	" <i>coriifolia</i> froebeli, excellent for stocks.	db	.25	2.00
ds	" <i>humilis</i> , Pasture R.	db	.20	1.60
ds	" <i>lucida</i> , Virginia R.	db	.20	1.50
ds	" <i>multiflora</i> , Japanese rose (stocks)	c	.25	2.40
ds	" <i>nitida</i> , Bristly R.	db	.20	1.60
ds	" <i>palustris</i> , Swamp R.	db	.20	1.60
ds	" <i>rubiginosa</i> , Sweetbrier	db	.20	1.75
ds	" <i>rugosa</i> , Rugosa R.	db	.25	2.00
ds	" <i>rugosa</i>	c	.30	2.60
ds	" <i>setigera</i> , Prairie R.	db	.20	1.75
	SALISBURIA , see under <i>Ginkgo</i> (Conifers)			
ds	SAMBUCUS canadensis , American Elder	db	.20	1.65
ds	" <i>nigra</i> , European E.	c	.25	2.00
ds	" <i>racemosa</i> , European Red E.	db	.30	2.60
dt	SAPIUM sebiferum , Chinese Tallow-tree ....		.15	1.20
dt	SASSAFRAS variifolium , Common S. ....		.20	1.50
dt	SCHINUS molle , California Peppertree ....		.20	1.75
dt	" <i>therebinthifolium</i> , Brazilian F. ....		.30	2.80
es	SKIMMIA japonica ....		.45	4.00
dt	SOPHORA japonica , Chinese Scholartree ....		.20	1.75
dt	SORBUS americana , American Mountain-Ash	db	.20	1.40
	" <i>arbutifolia</i> , see <i>Aronia</i>			
dt	" <i>aucuparia</i> , European M.	db	.20	1.60
	SPARTIUM , see also under <i>Cytisus</i>			
ds	" <i>juncicum</i> , Weaversbroom ....		.20	2.20
dt	SPATHODEA campanulata , Fountain tree, $\frac{1}{4}$ Oz.	1.40	4.80	.....
dt	STERCULLIA platanifolia , Chinese Parasoltree ....		.25	2.00
ds	STEWARTIA pseudocamellia , Japanese Ash ....		.70	6.00
	STILLINGIA , see under <i>Sapium</i>			
ds	STYRAX americana , American Snowbell ....		.20	1.75
ds	" <i>japonica</i> , Japanese S. ....		.30	2.80
ds	" <i>obassia</i> , Fragrant S. ....		.45	4.20

		OZ.	LB.
et	<i>SWIETENIA</i> mahogany, True Mahogany .....	.75	6.50
ds	<i>SYMPHORICARPOS</i> racemosus, Common Snowberry....	.25	2.25
ds	“ <i>vulgaris</i> , Coralberry .....	.20	1.75
ds	<i>SYRINGA</i> japonica, Japanese Tree Lilac .....	.90	7.50
ds	“ <i>vulgaris</i> , Common L.	db	1.50
ds	“ <i>vulgaris</i>	c	3.50
ds	“ <i>vulgaris alba</i> , White Flowering L.	db	2.80
TECOMA	, see also under Bignonia		
dv	“ <i>stans</i> , Florida Trumpetbush	3.50	.....
es	<i>THEA</i> sinensis, Tea .....	.25	2.10
dt	<i>TILIA</i> americana, American Linden .....	.25	2.10
dt	“ <i>cordata</i> , Littleleaf (Winter) Linden .....	.25	2.00
dt	“ <i>platyphyllus</i> , Bigleaf (Summer) L. ....	.25	2.00
dt	“ <i>tomentosa</i> (argentea), Silver L. ....	.25	2.00
dt	“ <i>vulgaris</i> , Common European L. ....	.25	2.00
dt	<i>ULMUS</i> americana, American Elm (May, 1929).....	.15	1.20
dt	“ <i>campestris</i> , English E. (July, 1929) .....	.20	1.50
et	“ <i>parvifolia</i> , Chinese E. (December, 1928) .....	.30	2.80
dt	“ <i>pumila</i> , Chinese or Siberian E. (July, 1929).....	.40	3.50
ds	<i>VIBURNUM</i> <i>acerifolium</i> , Mapleleaf V.	db	1.50
ds	“ <i>americanum</i> , American Cranberrybush	db	1.70
ds	“ <i>cassinoides</i> , Witherod	db	1.60
ds	“ <i>dentatum</i> , Arrowwood	db	1.60
ds	“ <i>dilatatum</i> , Linden V.	c	2.40
ds	“ <i>lantana</i> , Wayfaring-tree	db	2.20
	“ <i>lantana</i>	c	3.20
dt	“ <i>lentago</i> , Nannyberry	db	1.60
dt	“ <i>molle</i> , Kentucky V.	c	8.00
ds	“ <i>nudum</i> , Smooth Witherod	db	1.60
es	“ <i>odoratissimum</i> , Sweet V.	c	3.60
ds	“ <i>opulus</i> , European Cranberrybush	db	1.90
ds	“ <i>opulus</i>	c	2.60
	“ <i>oxyoccus</i> , see V. <i>americanum</i>		
ds	“ <i>prunifolium</i> , Blackhaw	db	1.40
ds	“ <i>rufidulum</i> , Southern Blackhaw .....	.20	1.75
es	“ <i>tinus</i> , Laurustinus	db	2.20
VIRGILIA	, see Cladrastis		
dv	<i>VITIS</i> <i>aestivalis</i> , Summer Grape	c	2.60
dv	“ <i>coignetiae</i> , Gloryvine	c	3.00
dv	“ <i>cordifolia</i> , Frost G.	c	2.60
dv	“ <i>labrusca</i> , Fox G.	c	2.60
dv	“ <i>rotundifolia</i> , Muscadine G.	c	3.00
dv	<i>WISTERIA</i> <i>sinensis</i> (<i>chinensis</i>), Blue Chinese W.	c	2.35
dv	“ <i>sinensis alba</i> , White Chinese W.	c	3.20
es	<i>YUCCA</i> <i>brevifolia</i> , Shortleaf Y.	1.00	.....
es	“ <i>filamentosa</i> , Common Y. Beargrass .....	.30	2.65
es	“ <i>glauca</i> , Soapweed Y. ....	.35	3.00
es	“ <i>gloriosa</i> , Moundlily Y. ....	.45	4.20
et	“ <i>treculeana</i> , Spanish Bayonet .....	.25	2.80
	“ <i>whipplei</i> , see Hesperoyucca		
dt	<i>ZELKOVA</i> <i>serrata</i> , Sawleaf Z. ....	.30	2.80
dt	<i>ZIZYPHUS</i> <i>jujuba</i> , Common Jujube .....	.30	2.60

NEPONSET WATERPROOF PAPER POTS are a great and almost indispensable help to the grower. We supply them. Write for complete price list and other information.

PRACTICAL SEED TESTERS

It is of importance that tree seeds and other seeds be tested before planting. Our testers are dependable and very simply operated.

Small size, 6x9 in., \$4.00 net, f. o. b. here, no charge for packing. Large size, 9x13 in., \$5.00 net, f. o. b. here, no charge for packing.

ULMUS PUMILA

Chinese or Siberian Elm

Tree growing from 40 to 50 feet tall with a trunk 4 to 8 feet in girth. The bark is rough and deeply corrugated. The branches are spreading and ascending, forming a bushy crown. Under cultivation it grows rapidly and makes a neat shapely tree. Leaves ovate to ovate-lanceolate 3 to 12 cm long, acute at the apex, nearly equal at the base, thin, dark-green above, pubescent when young, underneath, regularly and simply or doubly toothed. Flowers short-stalked, in crowded clusters, 4 to 5 parted with yellow anthers, appearing in spring. Fruit obovoid, notched deeply at the apex; nutlet central, reaching close to the base of the notch. Fruit ripens often soon after leaves are open.

NOTES:

This species is commonly used by the Chinese in the alluvial plains, for village trees, and for planting between fields, particularly along irrigation ditches. The trees grow rapidly and attain diameters at breast-height of 20 inches. The wood is much used for furniture, some for building construction and for the construction of cart-frames and cart-beds. It is used as a grave-tree planted in groves and attaining quite good form in altitudes of 4,500 feet. Apparently few other trees thrive there. It is also noted as planted along dry roadsides where it is cut back almost every year for fuel. It then takes on a characteristic shrubby form which may confuse its identity with the tree. It will stand quite dry conditions but requires a deep pervious soil for a good development of its roots.

Ready in July. 40c per oz.; \$3.50 per lb.

ULMUS PARVIFOLIA

Chinese Elm

Tree, rarely up to 75 feet with a trunk 4½ to 7 feet in girth. Bark is gray, smooth. On old trees it peels off in roundish patches showing the brown inner bark. On young trees it is merely scaly. Branches are numerous and slender and form a rather broad, rounded crown. It grows often slowly. Leaves rather leathery, ovate to obovate or oblong, acute or somewhat obtuse, slightly oblique at the base; simply serrate, shiny green, glabrous above, pubescent beneath, when young; usually glabrous at maturity, 2 to 5 cm long. Petiole is very short. It flowers in September and fruit ripens in October or November. Flowers clustered, fruit oval to elliptic, emarginate at apex with nutlet in the centre of the wing, 9-13 mm. long.

NOTES:

A much more beautiful and graceful tree, particularly for ornamental purposes, than *Ulmus pumila*. The branches are long and graceful with a drooping effect at the ends which make the perfect vase form used as a descriptive term for elms. The branches are thin and long and swing in the wind very gracefully. The foliage has a lacy and fine textured appearance. It requires a deep soil, thriving best in a alluvium or loess, where root development to considerable depth is rendered possible.

Ready in December. 30c per oz.; \$2.80 per lb.

Seeds of Palms, Tropical and Subtropical Plants

IMPORTANT: Palm seeds should be cared for by the planter as soon as possible after ripening and gathering, and as many kinds listed by us must be shipped to us over long distances, orders should be in our hands as early as possible to have best care.

	100s	1,000s	Oz.	Lb.
Actinophloeus macarthuri, Macarthur P.....	5.00	.....	.....	.....
Adenanthera pavonina, Red Sandalwood.....	.....	.....	.40	3.40
Archontophoenix alexandrae, Alexandra P.....	.45	4.20	.....	.....
" elegans, Queensland Seaforthia .....	.40	3.00	.....	.....
Areca alba, see Dictyosperma				
" baueri	2.40	.....	.....	.....
" catechu .....	.90	6.50	.....	.....
" lutescens, see Chrysaliocarpus				
Arenga obtusifolia, Sugar P.....	1.20	9.00	.....	.....
Arenga saccharifera, Sugar P.....	1.75	14.00	.....	.....
Bauhinia, see page 6				
Brahea, see Washingtonia				
Caesalpinia, see Poinciana				
Calophyllum inophyllum, Hawaiian Kamani	1.50	.....	.....	.....
Carica papaya, Papaya .....	.....	.....	.80	6.50
Carludovica palmata, Panama Hat P. (not true Palm) .....	.....	.45	3.50	.....
Caryota mitis, Fishtail P.....	1.40	10.00	.....	.....
" urens, Toddy P.....	1.30	10.00	.....	.....
Cassia alata, Apulco Ringworm C.....	.....	.....	1.00	.....
" fistula, Golden Shower .....	.....	.....	1.00	.....
" glauca, Glossy Shower .....	.....	.....	1.40	.....
" grandis, Pink Sh.....	.....	.....	1.40	.....
" laevigata, Smooth Senna .....	.....	.....	2.00	.....
" nodosa, Pink and White Shower .....	.....	.....	1.00	.....
" siamea, Siamese Shower .....	.....	.....	1.40	.....
Castanospermum australe, Moreton Bay Chestnut	1.50	.....	.....	.....
Castilla elastica, Mexican Rubbertree	6.50	55.00	.....	.....
Casuarina, see page 7				
Cecropia peltata, Trumpet-tree .....	.....	.....	2.40	.....
Ceiba pentandra, Ceiba .....	.35	3.00	.....	.....
Ceratonia siliqua, Carob .....	.....	.....	.35	3.20
Cestrum nocturnum, Nightblooming C.....	.35	3.00	.....	.....
Chamaerops excelsa, see Trachycarpus				
" humilis, Hair P.....	.60	5.25	.....	.....
Chrysaliocarpus lutescens, Yellow Areca.....	.90	8.00	.....	.....
Clitorea ternata, Blue Butterfly Pea .....	.....	.....	.55	.....
Coccothrinax argentea, Silver P.....	.75	6.50	.....	.....
Cocos australis, Pindo P.....	.65	5.50	.....	.....
" campestris, Field P.....	.75	6.00	.....	.....
" plumosa, San Diego P.....	.85	7.50	.....	.....
" romanzoffiana, Romanzoff P.....	.85	7.50	.....	.....
" weddelliana, Weddell P.....	2.00	17.50	.....	.....
Cordyline australis, Green Dracena .....	.25	1.00	.....	.....
" indivisa, Blue D.....	.25	.85	.....	.....
Crescentia cujete, Calabash-tree .....	.35	3.00	.....	.....
Cycas revoluta, Sago P.....	8.50	75.00	.....	.....
Datura arborea, Floripondio .....	.40	3.50	.....	.....
Dictyosperma album, White Areca .....	.75	6.00	.....	.....
Dolichos lablab, Hyacinth-Bean .....	.....	.....	2.00	.....
Dracaena draco, Dragontree .....	.55	5.00	.....	.....
Elaeis guineensis, African Oil P.....	1.40	10.00	.....	.....
Eriobotrya japonica, Loquat .....	.....	.....	.50	4.50
Erythea armata, see Glaucothea				
" brandegeei, Brandegee P.....	1.00	7.50	.....	.....
" edulis, Guadelupe P.....	.60	5.50	.....	.....
Eucalyptus, see page 8				
Ficus elastica, India Rubbertree .....	.40	3.00	.....	.....
" macrophylla, Moreton Bay Fig.....	1.20	.....	.....
" rubiginosa, Rusty Fig	1.20	.....	.....
Glaucothea armata, Blue P.....	1.10	9.00	.....	.....

OTTO KATZENSTEIN & CO., ATLANTA, GA., U. S. A.

	100s	1,000s	Oz.	Lb.
<i>Grevillea robusta</i> , Silk-Oak .....	.....	.....	1.20	9.50
<i>Hedyscepe (Kentia) canterburyana</i> , Canterbury P.	4.20	37.00	.....	.....
<i>Howea (Kentia) belmoreana</i> , Belmore P.	6.00	.....	.....	.....
" <i>forsteriana</i> , Forster P.	2.50	18.50	.....	.....
<i>Jubaea spectabilis</i> , Syrup P.	2.00	.....	.....	.....
<i>Latania borbonica</i> , see <i>Livistona sinensis</i>				
<i>Licuala grandis</i>	2.40	18.00	.....	.....
<i>Livistona (Corypha) australis</i> , Australian Fan P.	1.50	9.00	.....	.....
" <i>rotundifolia</i> , Java Fan P.	3.50	30.00	.....	.....
" <i>sinensis</i> (<i>Latania borbonica</i>), Chinese Fan P. ....	.40	3.00	.....	.....
<i>Melaleuca ericifolia</i> , Heath M. ....	.....	.....	3.00	.....
" <i>hypericifolia</i> , Dotted M. ....	.....	.....	2.80	.....
" <i>leucadendron</i> , Cajeput Tree ....	.....	.....	1.80	.....
<i>Melochia indica</i> , Melochia	1.75	.....	.....	.....
	1/4 Oz.			
<i>Muntingia calabura</i> , Jamaica-cherry....	2.80	1.75	.....	.....
<i>Myrica faya</i> , Fire-tree	1.75	.....	.....	.....
<i>Nerium oleander</i> , Common Oleander .....	.....	.....	.45	3.80
<i>Oreodoxa</i> , see <i>Roystonea</i>				
<i>Pandanus tectorius</i> , Screw-pine	2.00	.....	.....	.....
" <i>utilis</i> , Common S.	1.00	9.00	.....	.....
<i>Phoenix canariensis</i> , Canary Date P. ....	.35	2.00	.....	.....
" <i>cycadifolia</i> ....	.75	6.00	.....	.....
" <i>dactylifera</i> , Date P. ....	.50	4.00	.....	.....
" <i>farinifera</i> ....	.85	6.00	.....	.....
" <i>glaucia</i> ....	.70	5.00	.....	.....
" <i>leonensis</i> , Senegal Date P. ....	.50	4.00	.....	.....
" <i>pumila</i> , Dwarf Date P. ....	.50	4.00	.....	.....
" <i>reclinata</i> , Senegal Date P. ....	.50	4.00	.....	.....
" <i>roebelinii</i> , Roebelin Date P.	1.40	12.00	.....	.....
" <i>rupicola</i> , Cliff Date P. ....	.80	6.50	.....	.....
" <i>sylvestris</i> , India Date P. ....	.60	5.00	.....	.....
<i>Poinciana gilliesii</i> (<i>Caesalpinia</i>) .....	.....	.....	.60	5.00
" <i>regia</i> , Royal Poinciana .....	.....	.....	.30	2.60
" <i>pulcherrima</i> (<i>Caesalpinia</i>) Flower fence .....	.....	.....	.....	.....
<i>Pritchardia filifera</i> .....	.55	4.20	.....	.....
" <i>pacifica</i> (<i>Corypha umbraculif.</i>) ....	.45	2.20	.....	.....
<i>Ravenala madagascariensis</i> , Travellers Palm	1.20	8.50	.....	.....
<i>Rhapis flabelliformis</i> , Fern P.	3.50	30.00	.....	.....
<i>Roystonea regia</i> (<i>Oreodoxa</i>), Royal P.	2.25	.....	.....	.....
<i>Sabal blackburneana</i> , Blackburn P. ....	.55	4.20	.....	.....
" <i>palmetto</i> , Carolina P. ....	.90	7.00	.....	.....
<i>Samanea saman</i> , Monkey Pod .....	.60	5.50	.....	.....
<i>Schizolobium excelsum</i> , Brazilian Shower....	3.00	.....	.....	.....
<i>Seaforthia elegans</i>	1.60	.....	.....	.....
<i>Sesbania grandiflora</i> , Agati .....	.40	2.50	.....	.....
<i>Spathodea campanulata</i> , Fountain-tree	1.80	.....	.....	.....
	1/4 Oz.	1.40	.....	.....
<i>Swietenia mahogany</i> , True Mahogany .....	.....	.....	.75	6.50
<i>Tecoma stans</i> , Florida Trumpet bush .....	.....	.....	3.50	.....
<i>Templetonia retusa</i> , Melbourne Coral-bush....	1.00	.....	.....	.....
<i>Terminalia catappa</i> , India-almond .....	.90	.....	.....	.....
<i>Thespesia populnea</i> , Portia-tree	1.00	8.00	.....	.....
<i>Thrinax altissima</i> , Thatch P. ....	.70	4.50	.....	.....
" <i>parviflora</i> , Jamaica T. P. ....	.50	2.80	.....	.....
<i>Trachycarpus excelsa</i> , Windmill P. ....	.45	3.50	.....	.....
<i>Washingtonia filifera</i> , Cal. Wash. Palm....	.....	.....	.30	2.00
" <i>robusta</i> , Mexican Was. P. ....	.....	.....	.35	2.40
" <i>sonorae</i> , Mexican W. P. ....	.....	.....	.40	2.60

WRITE US REGARDING OTHER KINDS OF PALM, ETC.,
SEEDS FOR WHICH YOU ARE IN THE MARKET, SO THAT
WE MAY QUOTE PRICES.

Fruit Seeds

Please order Fruit Seeds early and write for quantity prices.

	Oz.	1	10	100
	Lb.	Lbs.	Lbs.	
ALMOND	.15	.80	7.50	70.00
APPLE, French Crab	.20	1.40	13.00	120.00
" Austrian	.15	1.30	12.00	100.00
" German, from Wild seedlings	.20	1.40	13.50	130.00
APRICOT, Russian	.15	.40	3.20	22.50
BUTTERNUT, see Juglans cinerea on page 9				
CHERRY, Mahaleb, washed	.20	1.50	13.00	115.00
" Mazzard, washed	.15	1.40	12.50	110.00
CHESTNUT, see under Castanea on page 7				
HAZELNUT, see under Corylus on page 8				
HICKORY, see under Hicoria on page 9				
LEMON, see under Citrus on page 7				
ORANGE, see under Citrus on page 7				
PEACH, Chinese Wild	.15	1.30	12.00	.....
" Naturals, small seed, special price for quantity	.15	.40	3.00	14.00
PEAR, Austrian Wild	.20	1.50	14.00	135.00
" French	.40	3.80	36.00	340.00
" German, from true wild trees	.30	2.00	18.50	170.00
" Chinese, Pyrus calleryana, true	1.20	9.00	.....	.....
" Japanese, P. ussuriensis	.90	8.00	77.50	750.00
" Late Jap. Pear, P. serotina	.80	7.00	67.50	650.00
PECAN, see under Hicoria pecan on page 9				
PERSIMMON, see under Diospyros on page 8				
PLUM, American, Prunus americana	.15	1.40	13.00	.....
" Myrabolan, P. myrabolana	.15	1.20	9.50	85.00
" Myrabolan, domestic	.15	1.50	11.50	105.00
QUINCE, Cydonia oblonga	.50	4.00	.....	.....
WALNUT, see under Juglans on page 9				

Roots and Seeds of Medicinal Plants

Arrangements with very reliable growers permit us to offer the following list of high grade Medicinal Roots and Seeds for propagation at very attractive prices, which are not subject to any discount. We are not growers ourselves. For roots and seeds of economic plants not listed or for large quantities we can quote on direct inquiry.

Information regarding cultivation of Ginseng, Goldenseal and other herbs may be had by applying to United States Department of Agriculture, Washington, D. C., which issues bulletins on these subjects.

SEEDS

	100	500	1,000	10,000	Oz.	Lb.
Ginseng	.50	1.80	3.00	27.50	.....	.....
(Panax quinquefolium)						
Goldenseal	.35	1.40	2.00	18.00	.....	.....
(Hydrastis canadensis)						
Pink root	.40	1.60	2.40	.....	.....	.....
(Spigelia marilandica)						
Belladonna	.....	.....	.....	.....	1.00	.....
(Atropa belladonna)						
Stramonium	.....	.....	.....	.....	.30	2.40
(Datura stramonium)						

We pay postage on domestic orders for these seeds when accompanied by cash.

ROOTS

GINSENG (Panax quinquefolium)

	10	100	500	1,000
	Roots	Roots	Roots	Roots
1 year old	1.00	4.00	11.50	22.00
2 years old	1.40	5.00	18.00	32.00

GOLDENSEAL (*Hydrastis canadensis*)

	10 Roots	100 Roots	500 Roots	1,000 Roots
1 year old .....	.65	2.00	6.50	11.00
2 years old, small .....	.90	2.60	10.50	19.00
2 years old, strong (Woodsgrown).....	1.35	3.20	12.50	23.00

SUNDRY MEDICINAL ROOTS

	10 Roots	100 Roots	1,000 Roots
Aconitum napellus, Aconite	1.00	3.00	18.00
Aletris farinosa, Stargrass	1.00	3.00	18.00
Angelica atropurpurea, Purplestem Angelica	1.00	3.00	18.00
Aplectrum hyemale, Puttyroot, Adam and Eve.....	1.25	3.50	20.00
Arisaema triphyllum, Jack-in-the-Pulpit	1.00	3.00	18.00
Aristolochia serpentaria, Virginia Snakeroot	1.00	3.00	18.00
Asclepias incarnata, Swamp Milkweed	1.00	3.00	18.00
Asclepias tuberosa, Butterflyweed	1.00	3.00	18.00
Asclepias tuberosa, Strong	1.80	5.50	35.00
Chamaelyrium luteum, Fairywand	1.00	3.00	18.00
Cimicifuga racemosa, Cohosh Bugbane	1.00	3.00	18.00
Cypripedium parviflorum, Small Yellow Lady-slipper	1.50	7.00	.....
Dionaea muscipula, Venus Flytrap	2.00	7.50	.....
Dioscorea villosa, Wild Yam	1.25	3.50	22.50
Erythronium americanum, Common Troutlily	1.00	3.00	18.00
Fragaria virginica, Va. Strawberry	1.00	3.00	.....
Gelsemium sempervirens, Carolina-Jessamine	1.00	3.00	18.00
Gentiana andrewsi, Closed Gentian	2.50	4.50	32.00
Hepatica triloba, Roundlobe Hepatica	1.00	3.00	18.00
Hydrastis canadensis, Goldenseal .....	.65	2.00	11.00
Liatris pycnostachya, Cattail Gayfeather	1.50	6.50	50.00
Mitchella repens, Partridgeberry	1.00	3.00	18.00
Panax quinquefolium, Ginseng	1.00	4.00	22.00
Passiflora incarnata, Maypop	1.00	3.00	18.00
Phlox subulata, Moss Pink	1.00	3.00	18.00
Phlox subulata, Strong	1.80	5.50	35.00
Phytolacca americana (decandra) Common Pokeberry	1.00	3.00	18.00
Podophyllum peltatum, Common Mayapple	1.00	3.00	18.00
Polygala senega, Seneca-Snakeroot	1.00	3.00	20.00
Polygonatum biflorum, Small Solomonseal	1.00	3.00	18.00
Sanguinaria canadensis, Bloodroot	1.00	3.00	18.00
Sarracenia flava, Trumpet Pitcherplant	1.80	5.50	30.00
Sarracenia purpurea, Common Pitcherplant	1.80	5.50	35.00
Sarracenia rubra, Sweet P.	2.00	6.00	.....
Silene virginica, Firepink	1.25	3.50	.....
Smilacina stellata, Starry False Solomons Seal.....	1.00	3.00	18.00
Spigelia marilandica, Pinkroot	1.00	3.00	18.00
Stillingia sylvatica, Queens Delight	1.00	3.00	.....
Tradescantia virginica, Va. Spiderwort	1.00	3.00	18.00
Trillium erectum, Purple Trillium	1.00	3.00	18.00
" grandiflorum, Purple T.	1.00	3.00	18.00
" sessile, Toad T.	1.00	3.00	18.00
Viola cucullata, Blue Marsh Violet	1.00	3.00	16.00
Viola pedata, Birdsfoot Violet	1.00	2.60	15.00
Viola pubescens, Downy Yellow Violet	1.00	3.00	16.00

Prices for ten roots include delivery of domestic orders accompanied by cash. NO DISCOUNTS ON ROOTS.

Books

To meet a steadily increasing demand we are prepared now to supply the best books on horticulture at publishers' prices and shall gladly obtain for you any books omitted from this list.

Prices include delivery in U. S. A. No discounts.

STANDARDIZED PLANT NAMES (1923) is becoming rapidly the acknowledged standard authority for all dealings in and current literature about plants in the United States. In our own publications we adhere strictly to Standardized Plant Names.

Standard Edition (bound in cloth for library and general use)	\$6.00
Pocket Edition (flexibly bound in Fabrikoid, printed on India or "Bible" paper—11 ounces, $\frac{1}{2}$ inch thick)	7.50
Interleaved Edition (same as Standard Edition with blank pages between the printed pages for notations)	7.50

546 pages. Delivered postpaid in the U. S. A. on receipt of price. For foreign countries add 30 cents for postage.

THE STANDARD CYCLOPEDIA OF HORTICULTURE, edited by L. H. Bailey. Complete with color pages and nearly 5,000 engravings, these volumes give complete information on kinds, characteristics, and methods of cultivation of all plants grown in North America. Ill., 3 vols., 3637 pp.....

27.00

CULTIVATED EVERGREENS, by L. H. Bailey. A practical aid to the nurseryman, forester, farmer, and property owner in cultivation and management of evergreens. Has keys for the easy identification of the cultivated varieties. Ill., 434 pages. New edition

3.00

A MANUAL OF CULTIVATED PLANTS, by L. H. Bailey. Makes easy the identification of the common domestic species of the fruits, grains, vegetables, greenhouse plants, garden flowers, ornamental shrubs, and trees by keys to their physical characteristics. Ill., 891 pp.

7.30

MANUAL OF GARDENING, by L. H. Bailey. This twelfth printing brings up to date the information on fruits, vegetables, and ornamental plants, their propagation and culture, protection from insects and diseases and general landscape effects. Ill., 539 pp.

3.30

THE NURSERY MANUAL, by L. H. Bailey. Outlines all the details of successful nursery practice for both professional and amateur. One section describes general nursery methods, especially propagation practices; the other section has a complete list of nursery plants, with the propagation and cultivation methods required for each. Ill., 456 pp.....

2.75

THE PRUNING MANUAL, by L. H. Bailey. Easily accessible information on the time and methods best adapted to the pruning of trees, shrubs, and vines. Ill., 400 pp.....

2.75

FOX, HELEN M.—GARDEN CINDERELLAS: How to Grow Lilies in the Garden. Best and only complete American Lily book for the garden maker. Color plates and halftones, 280 pp.

5.30

GREEVES-CARPENTER, C. F.—THE CARE OF ORNAMENTAL TREES. A compact handbook on the care of trees, treating tree surgery, spraying, etc. 70 pp., ill.....

1.35

HOTTES, A. C.—PRACTICAL PLANT PROPAGATION. A reliable guide to the professional and amateur in the best practices of the propagation of plants. 224 pp., ill.....

2.15

HOTTES, A. C.—THE BOOK OF SHRUBS. An up-to-the-moment and most complete reference book on shrubs based on the experience of many authorities. 383 pp., many ill.

3.25

HOUGH, HANDBOOK OF TREES of the Northern States and Canada. A wonderfully instructive, photo-descriptive volume. An arboretum in book form. Ill., 470 pp.....

8.50

THE CULTIVATION OF CITRUS FRUITS, by H. H. Hume. In a highly specialized industry such as citrus growing, new and practical information is essential. The author is a grower of long experience and his book is recognized as the best and most recent authority on the subject. Ill., 561 pp.	5.25
McFARLAND—GETTING ACQUAINTED WITH THE TREES. Treating on a number of popular trees in a popular way. Ill., 241 pp.	2.00
McFARLAND, H.—THE ROSE IN AMERICA. Full data given in simple, concise language by a foremost authority. 283 pp., ill.	3.30
MANUAL OF TREE AND SHRUB INSECTS, by E. P. Felt. Ill., 382 pp.	3.75
POOPENOE—MANUAL OF TROPICAL AND SUB-TROPICAL PLANTS. A complete manual discussing expertly a hundred and more tropical fruits. Ill., 474 pp.	4.80
QUACKENBUSCH, ALICE T. A.—THE ANNUALS OF FLOW-ERLAND. Choice tid-bits of history, legend, gossip, with sound advice on growing your favorite annuals. 172 pp....	1.65
RANKIN, MANUAL OF TREES DISEASES. Includes discussions of diseases common to all kinds of trees, such as damping-off of seedlings, temperature injuries to leaves and woody parts, etc., with special attention to tree surgery and spraying. Ill., 398 pp.	3.50
MANUAL OF CULTIVATED TREES AND SHRUBS, by Alfred Rehder. A complete and absolutely indispensable reference book of all hardy trees and shrubs. 967 pp.	10.80
ROCKWELL, F. F.—The following Home Garden Books are a great boon to the owner as well as to the professional grower:	
" BOOK OF BULBS. Complete and practical book on American conditions. Well ill., 264 pp.	3.30
" EVERGREENS FOR THE SMALL PLACE. Gives characteristics and types of many evergreens, details of planting, care, etc. 90 pp., ill.	1.00
" GLADIOLUS. A handy and dependable guide to successful growing of Gladiolus	1.00
" ROCK GARDENS. A compact handbook covering construction planting and care of rock gardens. 90 pp., ill....	1.00
" BOOK OF SHRUBS. Brief but complete information on how to enhance the beauty and value of a home with shrubs. 76 pp., ill.	1.00
PECAN GROWING, by H. P. Stuckey and E. J. Kyle. Practical details of the culture, propagation, insect and disease protection, harvesting, cracking and marketing of pecans. Includes the latest methods and practices of successful growers. Ill., 233 pp.	3.25
TOUMEY, SEEDING AND PLANTING. This manual gives first-hand information for the guidance of all interested in the growing of trees from seed, by Prof. J. W. Toumey, of the Yale Forestry School. Ill., 455 pp.	4.25
WILSON, E. H. (CHINESE) ARISTOCRATS OF THE GAR-DEN. Indispensable to all who wish to know the best in hardy material. 312 pages, 26 illustrations	5.20
WILSON, E. H. (CHINESE) AMERICA'S GREATEST GAR-DEN. The story of Arnold Arboretum told by one who has added vastly to the wealth of its wonderful plant collections. 123 pages, 50 page illustrations	3.15
WILSON, E. H., PLANT HUNTING. Two volumes filled with adventure, glowing with the ardor of the explorer. As Keeper of the Arnold Arboretum the author is the highest authority on plants in this country. 2 vols., autographed, boxed	15.60
WILSON, E. H.—MORE ARISTOCRATS OF THE GARDEN. A thoroughly practical volume from cover to cover, showing the suitability of plants for certain locations. 300 pp., 43 full page illustrations	5.20

For deliveries of any books outside the U. S. A. add 30c postage per volume to the above delivered prices.

Lining-Out Stock**CONIFERS**

	Ins.	Year	Per 10	Per 100	Per 1,000
Abies balsamea	1-2	1	.40	2.50	12.00
“ cephalonica	1-2	1	.60	4.00	30.00
“ concolor	2-3	1	.45	3.00	18.00
“ concolor	3-4	2	.60	4.00	30.00
“ firma	1-2	1	.50	3.50	24.00
“ grandis	1-2	1	.50	3.50	24.00
“ homolepis	1-2	1	.45	3.00	18.00
“ nobilis	2-4	2	.60	4.25	.....
“ nordmanniana	1-2	1	.45	3.00	18.00
“ nordmanniana	2-4	2	.60	4.00	30.00
“ pectinata	1-2	1	.45	3.00	18.00
“ pectinata	2-4	2	.60	4.00	34.00
“ veitchi	1	1	.45	3.00	18.00
Cedrus deodara	2-4	1	.50	3.50	30.00
“ libani	2-4	1	.50	3.50	30.00
Chamaecyparis lawsoniana	1-2	1	.35	2.00	12.00
“ lawsoniana	2-4	2	.45	3.00	18.00
“ obtusa	1-2	1	.35	2.00	12.00
“ pisifera	1-2	1	.35	2.00	12.00
Cryptomeria japonica	1-2	1	.35	2.00	12.00
“ japonica	2-3	2	.45	3.00	18.00
Cupressus arizonica	1-2	1	.35	2.00	14.00
Larix dahurica	1-2	1	.35	2.00	12.00
‘ leptolepis	1-2	1	.35	2.00	12.00
Picea canadensis	2-3	2	.45	2.50	18.00
“ canadensis, Black Hills	1-2	1	.35	2.00	12.00
“ excelsa	2-3	2	.35	2.00	14.00
“ polita	1-2	1	.45	2.50	18.00
“ pungens glauca, extra good....	2-4	2	.60	4.00	30.00
“ sitchensis	1-2	2	.45	2.50	18.00
Pinus edulis	2-3	2	1.00	7.00	60.00
“ edulis	1-2	1	.60	4.00	30.00
“ densiflora	2	1	.30	1.25	9.50
“ densiflora	6-8	2	.35	1.80	12.00
“ jeffreyi	2-3	1	.45	3.00	24.00
“ montana	2-3	2	.50	3.50	24.00
“ “ mughus	2-3	2	.45	2.50	18.00
“ nigra	4-6	2	.35	1.80	12.00
“ ponderosa	1-2	1	.35	1.80	12.00
“ ponderosa	2-3	2	.45	2.50	18.00
“ sylvestris	4-6	2	.35	1.80	12.00
“ tanyosho	1-2	1	.80	5.50	35.00
“ thunbergi	4-5	2	.40	2.50	14.00
Pseudotsuga douglasii	1-2	1	.45	3.00	18.00
“ douglasii	2-3	2	.60	4.00	30.00
Sequoia gigantea	1-2	1	.50	3.50	24.00
“ sempervirens	2-3	1	.40	2.50	18.00
Thuja occidentalis	2-3	2	.45	2.50	18.00
“ orientalis	2-4	1	.35	2.00	12.00
“ orientalis	3-5	2	.45	3.00	24.00
“ “ aurea	2-4	1	.35	2.00	12.00
“ “ aurea	3-5	2	.45	3.00	24.00
“ “ compacta	2-4	1	.35	2.00	12.00
“ “ compacta	3-5	2	.45	3.00	24.00
“ “ pyramidalis	2-4	1	.35	2.00	12.00
“ “ pyramidalis	3-5	2	.45	3.00	24.00
“ plicata	2-3	2	.45	3.00	24.00

Trees and Shrubs

	Size	Per	Per	Per
	10	100	1,000	
	Inches	10	100	1,000
<i>Acer dasycarpum</i> , Silver Maple	6-12	.45	2.80	9.00
" <i>dasycarpum</i>	12-18	.75	4.80	28.00
" <i>palmatum atropurpureum</i> , Bloodleaf M.	2-3	1.60	12.00	.....
<i>Buxus sempervirens</i> , Tree Box	6-8	2.50	18.00	.....
" <i>suffruticosa</i> , Dwarf Box	6-8	2.50	18.00	.....
<i>Catalpa speciosa</i> , Western Catalpa	6-12	.35	1.50	8.50
<i>Catalpa speciosa</i>	12-18	.50	2.00	10.00
<i>Cytisus scoparius</i> , Scotch Broom	12-18	2.00	12.00	80.00
<i>Fagus americana</i> , American Beech.....	6-12	.85	5.00	30.00
<i>Laurocerasus caroliniana</i> , Cherry-Laurel	8-12	.70	4.00	32.00
<i>Mahonia aquifolium</i> , Oregon Grape	3-6	.50	3.50	30.00
<i>Quercus alba</i> , White Oak	6-12	1.00	7.50	60.00
" <i>bicolor</i> , Swamp White O.	6-12	1.20	8.00	65.00
" <i>catesbeiae</i> , Sand Blackjack O.	6-12	1.30	10.00	85.00
" <i>macrocarpa</i> , Mossycup O.	6-12	1.00	7.50	.....
" <i>michauxii</i> , Swamp Chestnut O.	6-12	1.80	12.00	75.00
" <i>nigra</i> , Water O.	6-12	1.80	12.00	75.00
" <i>palustris</i> , Pin O.	6-8	2.00	12.00	85.00
" <i>rubra</i> , Red O.	6-12	.90	6.00	35.00
<i>Sophora japonica</i> , Chinese Scholartree....	6-12	1.20	9.00	70.00
4, 40, 400 at 10, 100, 1,000 rates, f. o. b. nurseries.				

Packing additional unless cash comes with order.

Woodsgrown Trees and Shrubs

We have for many years supplied woodsgrown trees and shrubs in very considerable quantities. This material is splendid value and is suitable for growing on or for landscape effects.

	Size, Feet	Per 100	Per 1,000
<i>Aronia arbutifolia</i> , Red Chokeberry	1-3	5.00	45.00
<i>Azalea nudiflora</i> , Pinxterbloom	1½-1	5.00	45.00
" <i>viscosa</i> , Swamp Azalea	1½-1	4.50	40.00
<i>Cercis canadensis</i> , American Redbud	1-3	6.00	55.00
<i>Clethra alnifolia</i> , Summersweet	1-2	4.50	40.00
<i>Cyrilla racemiflora</i> , Swamp Ironwood	1-2	5.00	45.00
<i>Cornus florida</i> , Flowering Dogwood	1-3	4.50	40.00
<i>Fothergilla alnifolia</i>	1-2	6.00	55.00
<i>Hamamelis virginiana</i> , Witch-hazel	1-3	5.00	45.00
<i>Ilex glabra</i> , Inkberry	1-2	5.00	45.00
" <i>opaca</i> , American Holly	1-2	5.00	45.00
" <i>verticillata</i> , Common Winterberry	1-2	4.50	40.00
<i>Leucothoe catesbeiae</i> , Drooping Laurel	1-2	4.00	35.00
<i>Liriodendron tulipifera</i> , Tuliptree	1-3	4.50	40.00
<i>Liquidambar styraciflua</i> , Sweetgum	1-3	4.50	40.00
<i>Magnolia glauca</i> , Sweetbay	1-2	6.00	55.00
<i>Myrica cerifera</i> , Bayberry	1-2	4.50	40.00
<i>Nyssa sylvatica</i> , Tupelo	1-2	4.50	40.00
<i>Oxydendrum arboreum</i> , Sourwood	1-2	4.50	40.00
<i>Pieris lucida</i> (<i>nitida</i>), Fetterbush	1-2	4.50	40.00
<i>Robinia hispida</i> , Rose-acacia	1-2	4.00	35.00
<i>Stewartia pentagyna</i> , Mountain Ash	1-2	8.50	70.00
<i>Viburnum cassinoides</i> , Witherod	1-3	4.00	35.00
" <i>nudum</i> , Smooth Witherod	1-3	4.00	35.00
" <i>prunifolium</i> , Blackhaw	1-2	5.00	45.00
<i>Vinca minor</i> , Periwinkle, Clumps 8-12 Stems.....		3.50	30.00

F. O. B. Atlanta or collector's point, packing at cost. 40 and 400 at 100 and 1,000 prices. Special quantity prices.

IF YOU GATHER ANY PALM, ETC., SEEDS WE SHOULD
BE INTERESTED IN YOUR OFFERS.

DISINFECT YOUR SEEDS— CONTROL “DAMPING-OFF” With



Makes Seeds Healthy

SEMESAN acts as an anti-septic that either kills or retards the development of disease-producing bacteria and fungi which subsist on seeds and plants. This one anti-septic, SEMESAN, is sufficient for all forms of “damping-off” disinfection, whether it be applications to seeds, or soils, seedlings and cuttings.

A single application of liquid SEMESAN to control “damping-off” costs about $1\frac{1}{2}$ c per 10 square feet of disinfected area. Seed treatment is still cheaper, costing only from $\frac{1}{4}$ c per pound of seed for liquid applications to a maximum per pound for dust treatments. Write us for booklets describing SEMESAN.

Sold in tin containers—2 oz., 50c; 8 oz., \$1.60; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs. can, \$62.50.

and transportation charges.

Manufactured by

E. I. du Pont de Nemours & Co., Inc.

Dyestuffs Department

Wilmington, Del.

USPULUN

(The Bayer Co., Inc.)

vitalizes seedlings and cutting by removing fungi from seed and soil. Seed treated with Uspulun can be stored away for a length of time (but not indefinitely) without harm to the seed.

DIPDUST

is easily applied and inexpensive to use. Seeds, like humans, are susceptible to disease. One cannot always see disease, but can discern the results in poor germination, weak, spindly plants and low yields of poor quality crops. Disinfecting tree seeds, flower seeds, vegetable and field seeds with DIPDUST before planting helps to prevent destructive diseases that cost growers many millions of dollars annually.

	2 Oz.	4 Oz.	Lb.	5 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
Uspulun.....	\$0.50	.....	\$2.75	\$13.00	\$62.50	\$122.50	\$240.00
Dipdust.....	.....	.50	1.75	8.00	37.50	72.50	140.00

and transportation charges.

Descriptive booklets on request.

Since these Mercury preparations are poisonous compounds they cannot be admitted to the mails but must be sent by express or freight.

Flower Seeds

Complying with the request of many friends whom we have been supplying with these seeds for some time to their absolute satisfaction we are offering the following short list of high grade FLOWER SEEDS. We shall gladly quote on and supply any other kinds omitted here.

Large packets 10c each net.

A-Annual, B-Biennial, P-Perennial, C-Climber, fl-flower.

		$\frac{1}{4}$ Oz.	1 Oz.	$\frac{1}{4}$ Lb.	1 Lb.
A	AGERATUM mexicanum	.20	.65	1.60	4.50
A	ALYSSUM benthami (maritimum), Sweet A.	.15	.35	.90	2.80
A	" Little Gem, Snow-white Carpet	.35	1.00	2.60	10.00
A	Antirrhinum majus grandiflorum, fine mixture Snapdragon	.40	1.50	7.00	.....
A	" " nanum, dwarf vars.	.25	1.00	2.60	10.00
A	" " maximum, mixture extra fine fl	.75	2.00	5.75	20.00
P	AQUILEGIA, Columbine, OK mixture of long-spurred varieties, dainty shades	1.00	3.00	9.00	32.00
P	" single mixed	.30	.75	2.60	8.50
A	ASTER, Semple, Giant-Branching many colors	.35	.90	3.00	11.00
A	" Ostrich Feather, many colors mixed We are in position to supply all kinds and shades of Asters. State your needs.	.35	1.00	3.80	14.00
A	BALSAM, Double Camellia-flowered, best OK mixture	.20	.60	2.10	4.80
P	BELLIS, Double Daisy, extra choice mixed	.55	1.75	6.50	24.00
A	CALENDULA, Pot Marigold, Orange King	.15	.35	.90	2.80
A	" good mixture	.15	.20	.55	1.80
P	CAMPANULA medium calycanthema, Cup-and-Saucer, mixed	.50	1.40	5.00	18.00
P	" medium, Canterbury Bells, mixed	.20	.45	1.20	4.00
A	CANDYTUFT, Empress, large trusses pure white	.20	.55	1.40	4.50
A	" mixed, all colors	.15	.25	.60	2.00
P	CARNATION, Margaret double fl. mixed	.35	1.00	2.60	10.00
A	CELOSIA cristata, Coxcomb, tall kinds, mixed	.35	1.00	2.60	10.00
A	" plumosa, Ostrich Plume, tall feathered kinds, mixed	.20	.55	1.40	4.50
A	CENTAUREA cyanus, Cornflower, sky blue	.15	.30	.75	2.50
A	" cyanus, many shades mixed	.15	.30	.75	2.50
A	" imperialis, Giant Sweet Sultan. Many fine shades mixed	.25	.60	1.80	5.50
P	Chrysanthemum carinatum, late bl. mixed	.15	.40	1.00	3.00
P	" coronarium, double fl. mixed	.15	.35	.90	2.80
CA	CONVOLVULUS major, Morning Glory. All colors mixed	.....	.15	.35	1.00
A	COSMOS, Giant fl. mixed	.15	.25	.60	2.00
A	" Early fl. Hybrids. Bush form many double fl.	.15	.35	.90	2.80
P	DAHLIA, double, fine mixture	1.00	3.00	8.50	.....
P	" single, fine mixture. Dahlias will bloom first year from seed	.35	.85	2.40	7.00
P	DELPHINIUM, Larkspur, Gold Medal Hybrids	.50	1.40	5.00	18.00
A	DIANTHUS chinensis fl. pl. Double Chinese Pink in fine mixture	.25	.60	1.50	5.00
P	" hedgewigi, single Japanese vars choice mixture	.25	.60	1.50	5.00
P	" plumarius, Pheasant's Eye, single mixed	.20	.50	1.35	4.20
P	DIGITALIS gloxiniaeflora, Foxglove, mixed	.30	.70	1.80	6.00
CA	DOLICHOS, Hyacinth Bean, mixed	.....	.15	.40	1.20
A	ESCHSCHOLTZIA, California Poppy, Mixed	.15	.25	.60	2.00
A	EUPHORBIA variegata, Snow-on-the- Mountain	.25	.60	1.50	5.20

		$\frac{1}{4}$ Oz.	1 Oz.	$\frac{1}{4}$ Lb.	1 Lb.	
P	GAILLARDIA grandiflora, Blanket-flower, very good mixture .....	.25	.70	2.00	6.50
P	" lorenziana, double, mixed .....	.25	.70	1.80	6.00
CA	GOURDS, Ornamental, very good mixture .....	.15	.25	.60	2.00
CA	IPOMAEA imperialis, Japanese Morning Glory, many colors mixed .....	.15	.25	.50	1.50
CA	" noctiflora, Moonflower .....	.25	.60	1.50	5.00
A	KOCHIA childsi, Summer Cypress, Burning Bush .....	.15	.40	1.00	3.00
CP	KUDZU-BEAN, Pueraria thunbergiana .....	.15	.30	.75	2.50
P	LARKSPUR, Delphinium, Stock-flowered, mixed .....	.35	.70	1.80	6.00
A	LUPINUS, tall annual sorts mixed .....	.15	.35	.90	2.80
A	MARIGOLD, Tagetes, African Double, Tall, mixed .....	.35	.85	2.40	7.00
A	" " French, Double, Tall, mixed .....	.25	.60	1.50	5.00
A	" " French, Double, Dwarf, mixed .....	.25	.60	1.50	5.00
A	MIGNONETTE (Reseda) large flowering .....	.15	.25	.60	2.00
B	MYOSOTIS alpestris, Forget-me-not blue .....	.40	1.00	2.80	8.00
A	NASTURTIUM, dwarf sorts, all colors mixed15	.30	.90
A	" tall sorts, finest mixture15	.30	.80
A	NICOTIANA affinis, Tuberose-flowered Tobacco .....	.20	.50	1.35	4.20
A	PANSY, Good mixture, many colors .....	.35	.90	3.00	11.00
A	" Trimardeau, Showy mixture .....	.70	1.80	6.00	21.00
Above are the most popular mixtures but we can supply any particular shade or mixture.						
A	PETUNIA hybrida, good mixture single fl. .....	.40	1.00	2.80	8.00
P	PHLOX drummondii grandiflora, best mixture .....	.35	.90	3.00	11.00
P	" Star of Quedlinburg (Star Phlox) good mixture .....	.50	1.40	5.00	18.00
A	POPPY, single, many sorts mixed .....	.15	.25	.50	1.50
A	" double, many sorts mixed .....		.20	.40	1.20
A	PORTULACA, single, all colors mixed .....	.40	1.00	2.80	8.00
A	" double, finest mixture	1.20	3.20	10.00	.....
A	RICINUS zanzibariensis, Castorbean, good mixture .....	.15	.25	.60	2.00
A	SALPIGLOSSIS variabilis, gorgeous coloring .....	.30	.75	2.60	8.50
A	SALVIA splendens, Scarlet Sage, old favorite	1.00	2.75	7.50	.....
A	SCABIOSA, Morning Bride, double fl. tall, mixed .....	.30	.70	1.80	6.00
A	STOCKS, Dwarf German, OK mixture, all colors .....	.55	1.75	6.50	24.00
A	SUNFLOWER, Chrysanthemum-flowered, double .....	.15	.35	.90	2.80
A	SWEET PEAS, Spencer vars. OK Special mixture .....	.15	.25	.60	2.00
A	" Spencer Hybrids, mostly light shades .....		.15	.40	1.20
A	" OK Price mixture of new and standard varieties .....	.15	.20	.55	1.80
A	" Eckford mixture, including 1927 novelties .....		.15	.30	.90
We can supply Sweet Peas in any other kinds and in any quantity. Write us.						
A	SWEET WILLIAM, single mixed .....	.20	.45	1.20	3.50
A	" double mixed .....	.30	.75	2.60	8.50
P	TIGRIDIA pavonia, Common Tigerflower .....	.25	.70	1.75	6.50
A	VERBENA, Mammoth mixed .....	.35	1.00	3.80	14.00
A	VINCA rosea, Periwinkle, mixed .....	.35	1.00	2.60	10.00
A	ZINNIA, Colossal, double mixed .....	.35	.85	2.40	7.00
A	" Dahlia flowered, mixed .....	.35	1.00	3.80	14.00
A	" Lilliput, Double mixed .....	.30	.75	2.60	8.50
We can supply Zinnias in all available shades and forms. Write us.						
A	SURPRISE GARDEN MIXTURE—many good flowers mixed .....	.15	.35	.80	2.60

Add any other flower seeds to your order. We can supply them.